



# SPECIFICATION OF GEAR REDUCER

Document No.

RS No.      01000-116

Order No.     

Designer      Hong.W.Ch.

**CUSTOMER**

MODEL                      RPH 0.5HP 4P 1/45

**ITEM No.**

**QUANTITY**

**DRIVEN MACHINE**

Application

No. of rev. (NOMINAL)      31.7      rpm

Installation                  Indoor      Outdoor

Impact load                  Uniform    Medium    Heavy

Ambient temp.      MAX.                  40

Allowable torque    kg m

Operating time    hour per day

Load peak per hour                  below5      5~10                  over 10

**DRIVER**

Kinds	E. Motor	Engine	Others
Power	0.5	KW      HP	
Type	TEFC	Poles      4	
Phase	Single    3	Ins. class      F	
Cycle	50      Hz	Voltage                  V	
Speed	1425		rpm

**SPECIFICATION OF REDUCER**

Nominal Ratio                  1/45

Service factor

Power cal.                  Niemann    AGMA    BS

Additional cooling                  No    Water    Fan

Lubricant

Kinds                                  GREASE

Quantity                                  0.2                  kg

Viscosity                                  EP GREASE R00

Method                                  Oil bath      Forced

Max. oil temp.                                  120

**MATERIAL & HEAT TREATMENT**

Pinion                                  SCM415                  HC

Gear    SCM415                  HC

Internal Gear

Worm

Worm wheel

Casing                                  ADC12

Shaft(L.S)                                  SM45C

Symbol	HC:Carburizing	HF:High Frequency
	HN:Nitriding	QT:Quenching-Tempering

**DIRECTION OF REV.(View from shaft side)**

High speed shaft                  CW      CCW

Low speed shaft                  CW      CCW

Arrangement of shaft

**APPENDED DRAWINGS**

Outline dwg. No.                                  GKEN240

Sectional dwg No.

Painting (Munsell No.)                                  7.5BG 5/2

**ACCESSORIES**

**WEIGHT (APPROX.)**

Driver	kg
Gear Reducer	kg
Others	kg
<b>Total</b>	<b>12      kg</b>

**REMARKS**

Except details specified on this DATA SHEET, all subjects including test shall be performed in accordance with MAKER STANDARD.

\*\*\* PLEASE REFER TO APPENDED DWG. FOR THE FOLLOWING No. :